

ABSTRACT

The active optical filtering device, which is suitable in particular as a dazzle-protection device for utilization in welding protection masks, -helmets or -goggles, is equipped in an as such known manner with a light protection filter with at least one
5 active optical filter element and with an electronic circuit for controlling the active filter element as well as with a light sensor operating in conjunction with the electronic circuit and an electric power supply, in particular a solar cell, for the electronic circuit and the active filter element. The driving circuit for the active filter element is implemented in such a manner, that in the range of the framework frequency ($1/T$) of
10 0.01 to 1 Hz the load capacitor is briefly completely discharged, as a result of which the power demand is halved in comparison with known circuits. Simultaneously the operating voltage (U) is situated within a range, which is quantitatively defined and within which the scattered light proportion of the liquid crystal display utilized is minimal as a result of this definition.

15 (Figure 3)